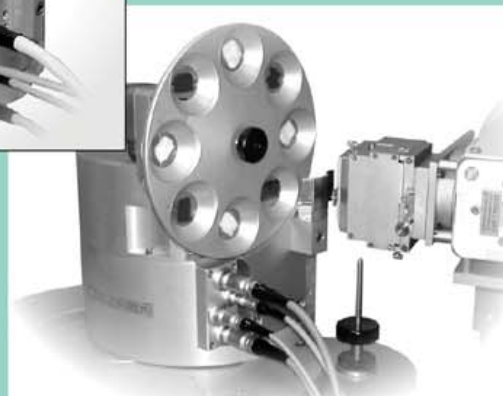
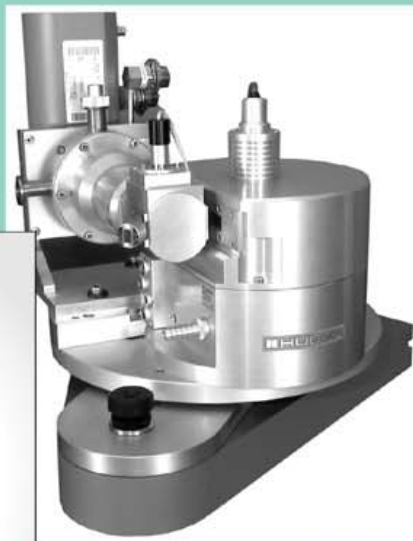
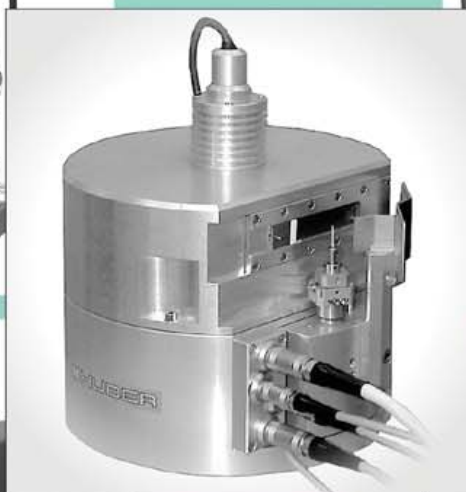


# ***SPEED...***

## **in X-ray Powder Diffractometry**



## **HUBER Imaging Plate Guinier Camera 670**

- ☑ A factor of more than 100 faster compared to conventional step scan
- ☑ X-ray powder diffraction in  $45^\circ$  (asymmetric) transmission,  $0^\circ$  to  $100^\circ$  2-theta
- ☑ Bulk samples in  $17^\circ$  (fixed grazing incidence) reflection,  $50^\circ$  to  $150^\circ$  2-theta
- ☑ Plane foil or capillary samples. 8-fold sample changer for plane foil samples
- ☑ Vertical mount for liquids,  $0^\circ$  to  $20^\circ$  (adjustable grazing incidence) reflection
- ☑ Focussing monochromatic radiation,  $K\alpha_1$ , stripping not required
- ☑ Range of Bragg angles  $100^\circ$  2-theta, 20001 steps @  $0.005^\circ$
- ☑ Laser scans signals @ 16 Bit A/D resolution. Linear dynamic range up to 200,000 counts
- ☑ Creates all common ASCII file types ready for data evaluation like Rietveld-Refinement
- ☑ Low-temperature attachment: Closed cycle He-refrigerator, 10 to 320 K
- ☑ Hi-temperature attachment: Diode laser heater, 300 to 1800 K
- ☑ Hi-pressure attachment: Diamond anvil cell, upto 70 GPa

 **HUBER**

**X-RAY DIFFRACTION EQUIPMENT**

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